

## CLAIMS

1. A method for generating a password for a user for access to a resource having a unique resource name,  
5 comprising:

- i) receiving as input, from a user, a user global password, a user id, and at least one hash key;
- ii) determining the resource name of the resource;
- iii) generating the password based upon the global user  
10 password, the resource name, and the hash key during a first communication session with the resource; and
- iv) regenerating the password during a next communication session with the resource by repeating steps i, ii, and iii.

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2. The method of claim 1 wherein the resource is an Internet site having a unique domain name.

3. The method of claim 1 wherein the resource is an  
20 application and the resource name is an application name.

4. The method of claim 1 further comprising automatically populating the resource with the generated password and user id.

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5. The method of claim 1 further comprising determining if the resource has a format requirement for the password; and conforming the generated password to the format requirement in a consistent manner whereby the conformed generated

password is regenerated during a next communication session with the resource by the user.

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6. A method for generating a password for a user for access to an Internet site having a domain name, comprising:  
receiving as input a user global password, a user id,

10 and a set of hash keys;

determining a domain name of the Internet site;

determining an iteration of password renewal for the Internet site;

15 determining a corresponding hash key to the determined iteration; and

generating the password based upon the global user password, the domain name, and the corresponding hash key wherein the generated password is regenerated during a next communication session with the Internet site by the user.

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7. The method of claim 6 further comprising automatically populating the Internet site with the generated password and the user id.

25 8. The method of claim 6 further comprising determining if the Internet site has a format requirement for the password; and conforming the generated password to the format requirement in a consistent manner whereby the conformed generated password is regenerated during a next  
30 communication session with the Internet site by the user.

9. A computer program on a computer usable medium having computer readable program code means for generating a password for a user for access to a resource having a unique  
5 resource name, comprising:

means for receiving as input, from a user, a user global password, a user id, and at least one hash key;

means for determining the resource name of the resource;

10 means for generating the password based upon the global user password, the resource name, and the hash key during a first communication session with the resource; and

means for regenerating the password based upon the global user password, the resource name, and the hash key

15 received during a next communication session with the resource by re-invoking the means for receiving and the means for determining.

10. The computer program of claim 9 further comprising  
20 means for automatically populating the resource with the generated password and the user id.

11. A computer program on a computer usable medium having computer readable program code means for generating a  
25 password for a user for access to an Internet site having a domain name, comprising:

means for receiving as input a user global password, a user id, and a set of hash keys;

means for determining a domain name of the Internet  
30 site;

means for determining an iteration of password renewal for the Internet site;

means for determining a corresponding hash key to the determined iteration; and

5 means for generating the password based upon the global user password, the domain name, and the corresponding hash key wherein the generated password is regenerated during a next communication session with the Internet site by the user.

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12. A computer system having means for generating a password for a user for access to a resource having a unique resource name, comprising:

means for receiving as input, from a user, a user 15 global password, a user id, and at least one hash key;

means for determining the resource name of the resource;

means for generating the password based upon the global user password, the resource name, and the hash key during a 20 first communication session with the resource; and

means for regenerating the password based upon the global user password, the resource name, and the hash key received during a next communication session with the resource by re-invoking the means for receiving and the 25 means for determining.

13. The computer system of claim 12 further comprising means for automatically populating the resource with the generated password and the user id.

14. A computer system having means for generating a password for a user for access to an Internet site having a domain name, comprising:

means for receiving as input a user global password, a  
5 user id, and a set of hash keys;

means for determining a domain name of the Internet site;

means for determining an iteration of password renewal for the Internet site;

10 means for determining a corresponding hash key to the determined iteration; and

means for generating the password based upon the global user password, the domain name, and the corresponding hash key wherein the generated password is regenerated during a  
15 next communication session with the Internet site by the user.